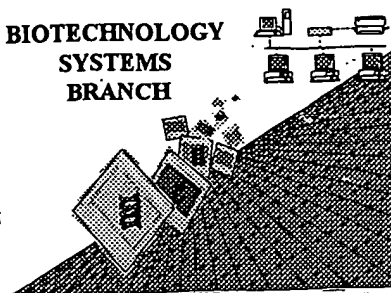


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BIOTECHNOLOGY  
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TECH CENTER 1600/2900

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/439,311B  
Source: 162  
Date Processed by STIC: 1/23/2002

Corrected by STIC

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebs/efs/downloads/documents.htm>), EFS Submission

User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

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2011 South Clark Place, Arlington, VA 22202

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Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

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1600

## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/09/439,311B

TIME: 17:01:31

Input Set : A:\Es.txt

Output Set: N:\CRF3\01232002\I439311B.raw

Does Not Comply  
Corrected Diskette Needed

p. 1, 4

8 <110> APPLICANT: Guerry, Patricia  
 9 Trust, Trevor J  
 10 Burg, Edward  
 11 Lee, Lanfong  
 13 <120> TITLE OF INVENTION: A Recombinant Polypeptide for use in the Manufacture of  
 Vaccines  
 14 against Campylobacter Induced Diarrhea and to Reduce Colonization  
 16 <130> FILE REFERENCE: 78560  
 18 <140> CURRENT APPLICATION NUMBER: 09/439,311B  
 C--> 20 <141> CURRENT FILING DATE: 2001-12-18  
 22 <150> PRIOR APPLICATION NUMBER: US 60/108,114  
 24 <151> PRIOR FILING DATE: 1998-11-12  
 E--> 26 <160> NUMBER OF SEQ ID NOS: 56 (p. 4)  
 28 <170> SOFTWARE: Apple Macintosh Microsoft Word 6.0

## ERRORED SEQUENCES

30 <210> SEQ ID NO: 1  
 32 <211> LENGTH: 999  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Campylobacter coli  
 W--> 35 <220> FEATURE:  
 36 <223> OTHER INFORMATION:  
 W--> 37 <400> SEQUENCE: 1  
 38 attaacacaa atgttgcagc attaaatgct aaagcaaat cggatctaaa cagcagagca 60  
 39 ttagatcaat cactttcaag actcagttca ggtcttagaa tcaactccgc agcagatgat 120  
 40 gcttcagggg tggcgatagc agatagtta agatctcagg caaatacttt gggtcaggct 180  
 41 atatctaatt gtaatgatgc tttaggtatc ttgcaaactg cagataaggc tatggatgag 240  
 42 caacttaaaa tcttagatac catcaagact aaagcgactc aagctgctca agatggtcaa 300  
 43 agcttaaaaa caagaactat gcttcaagca gacatcaacc gtttgatgga agaacttgat 360  
 44 aatatcgcaa ataccacttc atttaatggc aaacaacttt taagtgggtg ttttaccat 420  
 45 caagaattcc aaatcgggtc aagttcaaat caaactatta aagcaagtat aggagcaact 480  
 46 cagtcttcta aaatcgggtg aacaagattt gaaacagggt cacaagttt ttcttcaggc 540  
 47 actgtaggac ttactattaa aaactacaac ggtatcgaag attttaaat tgatagtgt 600  
 48 gtgatttcta cttcagtagg aacaggctct ggagctttgg ctgaagagat caacagaaat 660  
 49 gcagataaaa caggaattcg tgcaactttt gatgtaaaat ctgtaggagc ctatgcaata 720  
 50 aaagcaggaa atactttctca ggattttgct atcaatggg ttgttatagg taaggttgat 780  
 51 tattcagatg gtgatgagaa tggttcttta atttcagcta tcaatgctgt aaaagataca 840  
 52 actggtgttc aagcctctaa agatgaaaat ggtaaacctg ttcttacttc ggccgatgg 900  
 53 agagggatta aaatcacagg tagcataggt gtaggagctg gtatattgca cactgaaaa 960  
 E--> 54 tatggaaggt tatcttttagt taaaaatgat ggtagagat 999  
 56 <211> LENGTH: 333  
 57 <212> TYPE: PRT

&lt;210&gt; 2

Insert  
hard return

## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/09/439,311B

TIME: 17:01:31

Input Set : A:\Es.txt

Output Set: N:\CRF3\01232002\I439311B.raw

58 <213> ORGANISM: Campylobacter coli  
W--> 59 <220> FEATURE:  
60 <223> OTHER INFORMATION:  
W--> 61 <210> SEQ ID NO:  
E--> 61 <400> SEQUENCE: 2

62	Ile	Asn	Thr	Asn	Val	Ala	Ala	Leu	Asn	Ala	Lys	Ala	Asn	Ser	Asp
63	1			5					10					15	
64	Leu	Asn	Ser	Arg	Ala	Leu	Asp	Gln	Ser	Leu	Ser	Arg	Leu	Ser	Ser
65				20					25					30	
66	Gly	Leu	Arg	Ile	Asn	Ser	Ala	Ala	Asp	Asp	Ala	Ser	Gly	Met	Ala
67				35					40					45	
68	Ile	Ala	Asp	Ser	Leu	Arg	Ser	Gln	Ala	Asn	Thr	Leu	Gly	Gln	Ala
69				50					55					60	
70	Ile	Ser	Asn	Gly	Asn	Asp	Ala	Leu	Gly	Ile	Leu	Gln	Thr	Ala	Asp
71				65					70					75	
72	Lys	Ala	Met	Asp	Glu	Gln	Leu	Lys	Ile	Leu	Asp	Thr	Ile	Lys	Thr
73				80					85					90	
74	Lys	Ala	Thr	Gln	Ala	Ala	Gln	Asp	Gly	Gln	Ser	Leu	Lys	Thr	Arg
75				95					100					105	
76	Thr	Met	Leu	Gln	Ala	Asp	Ile	Asn	Arg	Leu	Met	Glu	Glu	Leu	Asp
77				110					115					120	
E--> 78	Asn	Ile	Ala	Asn	Thr	Thr	Ser	Phe	Asn	Gly	Lys	Gln	Leu	Leu	Ser
79				125					130					135	
80	Gly	Gly	Phe	Thr	Asn	Gln	Glu	Phe	Gln	Ile	Gly	Ser	Ser	Ser	Asn
81				140					145					150	
82	Gln	Thr	Ile	Lys	Ala	Ser	Ile	Gly	Ala	Thr	Gln	Ser	Ser	Lys	Ile
83				155					160					165	
84	Gly	Val	Thr	Arg	Phe	Glu	Thr	Gly	Ser	Gln	Ser	Phe	Ser	Ser	Gly
85				170					175					180	
86	Thr	Val	Gly	Leu	Thr	Ile	Lys	Asn	Tyr	Asn	Gly	Ile	Glu	Asp	Phe
87				185					190					195	
88	Lys	Phe	Asp	Ser	Val	Val	Ile	Ser	Thr	Ser	Val	Gly	Thr	Gly	Leu
89				200					205					210	
90	Gly	Ala	Leu	Ala	Glu	Glu	Ile	Asn	Arg	Asn	Ala	Asp	Lys	Thr	Gly
91				215					220					225	
92	Ile	Arg	Ala	Thr	Phe	Asp	Val	Lys	Ser	Val	Gly	Ala	Tyr	Ala	Ile
93				230					235					240	
94	Lys	Ala	Gly	Asn	Thr	Ser	Gln	Asp	Phe	Ala	Ile	Asn	Gly	Val	Val
95				245					250					255	
96	Ile	Gly	Lys	Val	Asp	Tyr	Ser	Asp	Gly	Asp	Glu	Asn	Gly	Ser	Leu
97				260					265					270	
98	Ile	Ser	Ala	Ile	Asn	Ala	Val	Lys	Asp	Thr	Thr	Gly	Val	Gln	Ala
99				275					280					285	
100	Ser	Lys	Asp	Glu	Asn	Gly	Lys	Leu	Val	Leu	Thr	Ser	Ala	Asp	Gly
101				290					295					300	
102	Arg	Gly	Ile	Lys	Ile	Thr	Gly	Ser	Ile	Gly	Val	Gly	Ala	Gly	Ile
103				305					310					315	
104	Leu	His	Thr	Glu	Asn	Tyr	Gly	Arg	Leu	Ser	Leu	Val	Lys	Asn	Asp
105				320					325					330	

*These  
are  
due to  
error on P. 1*

RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/09/439,311B

TIME: 17:01:31

Input Set : A:\Es.txt

Output Set: N:\CRF3\01232002\I439311B.raw

OK 106 Gly Arg Asp  
E 108 <210> SEQ ID NO: 3

<210> 6 ← last sequence in file

<211> 573

<212> PRT

<213> Campylobacter coli VC167 T2

<220>

<223>

<400> 6

(portion of seq 6 shown)

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/439,311B

DATE: 01/23/2002

TIME: 17:01:32

Input Set : A:\Es.txt

Output Set: N:\CRF3\01232002\I439311B.raw

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:35 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:37 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:54 M:254 E: No. of Bases conflict, LENGTH:Input:2 Counted:1001 SEQ:1  
 L:54 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:8  
 L:54 M:252 E: No. of Seq. differs, <211>LENGTH:Input:999 Found:1001 SEQ:1  
 L:59 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:61 M:282 W: Numeric Field Identifier Missing, <210> is required.  
 L:61 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:1 differs:2  
 L:61 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:108 M:214 E: (33) Seq.# missing, SEQ ID NO:2  
 L:113 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:115 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:123 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:125 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:133 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:135 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:219 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:221 M:283 W: Missing Blank Line separator, <400> field identifier  
 L:26 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (5) Counted (6)